

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber  cu ft/ac	
BrF: Berks-----	4R	Moderate	Severe	Moderate	Slight	---	Virginia pine----- black oak----- northern red oak----	70 70 70	114 57 57	Japanese larch, Norway spruce, Virginia pine, eastern white pine, red pine
Rock Outcrop-----	---	---	---	---	---	---	---	---	---	---
CeB: Cedarcreek-----	4X	Slight	Slight	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak---- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	American sycamore, Virginia pine, black locust, eastern white pine, shortleaf pine
Wet Minesoil-----	---	---	---	---	---	---	---	---	---	---
CrF: Cedarcreek-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak---- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	American sycamore, Virginia pine, black locust, eastern white pine, shortleaf pine
Other Soils-----	---	---	---	---	---	---	---	---	---	---
Rock Outcrop-----	---	---	---	---	---	---	---	---	---	---
Cv: Chavies-----	8A	Slight	Slight	Slight	Slight	Moderate	American sycamore--- black cherry----- black walnut----- hickory----- northern red oak---- red maple----- shortleaf pine----- sugar maple----- white oak----- yellow poplar-----	--- --- --- --- --- 76 --- --- --- 93	--- --- --- --- --- 114 --- --- 100	black walnut, eastern white pine, northern red oak, shortleaf pine, white oak, yellow poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber  cu ft/ac	
Holly-----	---	---	---	---	---	---	---	---	---	---
GlE: Gilpin-----	4R	Moderate	Moderate	Slight	Slight	Moderate	northern red oak----	80	57	Japanese larch, Virginia pine, black cherry, eastern white pine, yellow poplar
							yellow poplar-----	95	100	
Lily-----	7R	Moderate	Moderate	Slight	Slight	Moderate	Virginia pine-----	80	114	eastern white pine, northern red oak, shortleaf pine, white oak, yellow poplar
							black oak-----	78	---	
							chestnut oak-----	73	---	
							northern red oak----	78	---	
							scarlet oak-----	77	43	
							shortleaf pine-----	63	100	
							white oak-----	73	57	
							yellow poplar-----	95	---	
Other Soils-----	---	---	---	---	---	---	---	---	---	---
ItF: Itmann-----	---	Severe	Severe	Severe	Severe	Slight	Virginia pine-----	---	---	black locust, black oak, eastern white pine, red maple, shortleaf pine, sweet birch
							black locust-----	---	---	
							eastern white pine--	---	---	
							red maple-----	---	---	
							shortleaf pine-----	---	---	
							sweet birch-----	---	---	
KaB: Kaymine-----	4X	Slight	Slight	Severe	Slight	Moderate	American sycamore---	90	100	Virginia pine, black locust, eastern white pine, red maple, yellow poplar
							black locust-----	---	---	
							eastern white pine--	94	172	
							northern red oak----	80	57	
							yellow poplar-----	105	114	
Wet Minesoil-----	---	---	---	---	---	---	---	---	---	---
KcF: Kaymine-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore---	90	100	Virginia pine, black locust, eastern white pine, red maple, yellow poplar
							black locust-----	---	---	
							eastern white pine--	94	172	
							northern red oak----	80	57	
							yellow poplar-----	105	114	

Table E2.--Forestland Management and Productivity--Continued

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		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
Cedarcreek-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak--- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	American sycamore, Virginia pine, black locust, eastern white pine, shortleaf pine
Dekalb-----	2R	Moderate	Severe	Moderate	Moderate	Moderate	northern red oak----	52	29	Norway spruce, Virginia pine, eastern white pine, white spruce
Other Soils-----	---	---	---	---	---	---	---	---	---	---
KrF: Kaymine-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak--- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	Virginia pine, black locust, eastern white pine, red maple, yellow poplar
Other Soils-----	---	---	---	---	---	---	---	---	---	---
Rock Outcrop-----	---	---	---	---	---	---	---	---	---	---
LlC: Lily-----	7A	Slight	Moderate	Slight	Slight	Moderate	Virginia pine----- black oak----- chestnut oak----- northern red oak--- scarlet oak----- shortleaf pine----- white oak----- yellow poplar-----	80 78 73 78 77 63 73 95	114 --- --- --- 43 100 57 ---	eastern white pine, northern red oak, shortleaf pine, white oak, yellow poplar
PBF: Pineville-----	5R	Severe	Severe	Moderate	Slight	Moderate	basswood----- black oak----- hickory----- northern red oak--- yellow poplar-----	--- 85 --- 86 108	--- 57 --- 72 114	black walnut, eastern white pine, northern red oak, yellow poplar

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		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber  cu ft/ac	
GlE: Gilpin-----	4R	Moderate	Moderate	Slight	Slight	Moderate	northern red oak---- yellow poplar-----	80 95	57 100	Japanese larch, Virginia pine, black cherry, eastern white pine, yellow poplar
Lily-----	7R	Moderate	Moderate	Slight	Slight	Moderate	Virginia pine----- black oak----- chestnut oak----- northern red oak---- scarlet oak----- shortleaf pine----- white oak----- yellow poplar-----	80 78 73 78 77 63 73 95	114 --- --- --- 43 100 57 ---	eastern white pine, northern red oak, shortleaf pine, white oak, yellow poplar
Other Soils-----	---	---	---	---	---	---	---	---	---	---
ItF: Itmann-----	---	Severe	Severe	Severe	Severe	Slight	Virginia pine----- black locust----- eastern white pine-- red maple----- shortleaf pine----- sweet birch-----	--- --- --- --- --- ---	--- --- --- --- --- ---	black locust, black oak, eastern white pine, red maple, shortleaf pine, sweet birch
KaB: Kaymine-----	4X	Slight	Slight	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak---- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	Virginia pine, black locust, eastern white pine, red maple, yellow poplar
Wet Minesoil-----	---	---	---	---	---	---	---	---	---	---
KcF: Kaymine-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak---- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	Virginia pine, black locust, eastern white pine, red maple, yellow poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
Cedarcreek-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak--- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	American sycamore, Virginia pine, black locust, eastern white pine, shortleaf pine
Dekalb-----	2R	Moderate	Severe	Moderate	Moderate	Moderate	northern red oak----	52	29	Norway spruce, Virginia pine, eastern white pine, white spruce
Other Soils-----	---	---	---	---	---	---	---	---	---	---
KrF: Kaymine-----	4R	Severe	Severe	Severe	Slight	Moderate	American sycamore--- black locust----- eastern white pine-- northern red oak--- yellow poplar-----	90 --- 94 80 105	100 --- 172 57 114	Virginia pine, black locust, eastern white pine, red maple, yellow poplar
Other Soils-----	---	---	---	---	---	---	---	---	---	---
Rock Outcrop-----	---	---	---	---	---	---	---	---	---	---
LlC: Lily-----	7A	Slight	Moderate	Slight	Slight	Moderate	Virginia pine----- black oak----- chestnut oak----- northern red oak--- scarlet oak----- shortleaf pine----- white oak----- yellow poplar-----	80 78 73 78 77 63 73 95	114 --- --- --- 43 100 57 ---	eastern white pine, northern red oak, shortleaf pine, white oak, yellow poplar
PBF: Pineville-----	5R	Severe	Severe	Moderate	Slight	Moderate	basswood----- black oak----- hickory----- northern red oak--- yellow poplar-----	--- 85 --- 86 108	--- 57 --- 72 114	black walnut, eastern white pine, northern red oak, yellow poplar

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